

**FULL-EJECT AUTOMATED SIDE/FRONT
LOADING COLLECTION VEHICLE**

ABSTRACT OF THE DISCLOSURE

5 A refuse collection vehicle for loading, compacting,
transporting and ejecting refuse materials is disclosed
including a hollow refuse storage enclosure having a
forward refuse receiving opening, and a rear refuse
discharge opening closed by a tailgate. A generally full
width charging hopper is located forward of the storage
10 enclosure for receiving refuse from refuse containers,
the charging hopper having sidewalls and a floor and
being in communication with the storage enclosure. A
variable stroke followerless packer-ejector panel
mechanism is provided to move refuse materials to the
15 sweep charging hopper, pack the refuse materials into the
storage enclosure and fully eject the refuse materials
from the storage enclosure. The truck body accommodates
one or more container handling devices selected from
narrow profile side-loading and front-loading container
20 handling devices or a combination thereof for emptying
containers into the charging hopper. A control system is
provided for controlling the stroke operation of the
packer-ejector panel in relation to the container
handling device and eliminate the need for a follower
25 regardless of collection container density.